



# Magnetic Particle Testing

Product information

MR<sup>®</sup> 153 PO Magnetic powder concentrate

**MR<sup>®</sup>**  
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## MR<sup>®</sup> 153 PO Magnetic powder concentrate

green fluorescent, 1:50, water suspendable, **"high brilliance"**  
for magnetic particle inspection according to EN ISO 9934-1

### General appearance and composition:

- Water suspendable concentrate with fluorescent ferromagnetic particles
- Includes corrosion inhibitor and other additives
- Free of nitrite, halogen, sulphur and silicone
- Medium particle size  $d_a = 3-7 \mu m$
- Green fluorescent under UV-radiation
- High brilliant fluorescence
- Sediment (1:50 with water): 0,2 ml – 0,3 ml (1 h) (corresponds with ASTM E 1444)
- Processing temperature +10 to +50°C
- No declaration of hazardous ingredients – ECO-LINE

### Relevant Specifications

- The corrosive components of MR<sup>®</sup> 153 PO are in accordance with EN ISO 9934-2 and ASME Code, Section V, Article 7
- In correspondence with Lloyd's Reg., Bureau Veritas, Det Norske Veritas, admitted by Framatome ANP

### Application:

- Remove tinder, rust and other contaminations from surface in a suitable manner
- Shake concentrate well
- Dilute 1:20 - 1:50 in water
- During magnetization (e.g. with a MR<sup>®</sup> Hand yoke) spray the preparation on the surface
- If using a test bench, fill the preparation into the container with the pump
- Under UV-radiation discontinuities will appear as green fluorescent magnetic particle indications

### Minimum shelf life:

- Will keep for a minimum of 2 year, stored at room temperature

### Pack sizes:

- 1 kg, 5 kg